PROJECT DESCRIPTION

GENERAL
THIS PROJECT INVOLVES THE CONSTRUCTION OF A TEMPORARY SIGNAL AT THE INTERSECTION OF
MD 355 AND HUBBARD DRIVE IN MONTGOMERY COUNTY.
MD 355 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

INTERSECTION OPERATION
THE INTERSECTION WILL OPERATE IN A SEMI ACTUATED MODE USING SIX NEMA PHASES. AN EXCLUSIVE
LEFT TURN PHASE WILL BE PROVIDED FOR NORTHBOUND AND SOUTHBOUND MD 355. HUBBARD DRIVE
AND THE SHOPPING CENTER (EAST/WEST) STREETS WILL OPERATE CONCURRENTLY.

PEDESTRIAN OPERATION
NAVIGATOR AUDIBLE PEDESTRIAN PUSH BUTTON MOVEMENTS TO CROSS THE EAST, WEST AND SOUTH LEGS
OF THE INTERSECTION ARE TO BE PROVIDED. WHEN THE PEDESTRIAN LOCATES AND PRESSES THE BUTTON
FOR AN EXTENDED TIME, THE PUSH BUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
NORTH: "WAIT TO CROSS ROCKVILLE PIKE AT HUBBARD."
EAST: "WAIT TO CROSS ENTRANCE TO MONTROSE CROSSING AT ROCKVILLE PIKE."
WEST: "WAIT TO CROSS HUBBARD AT ROCKVILLE PIKE."
PEDESTRIAN PUSH BUTTONS SHALL OPERATE IN STANDARD MODE UNTIL ALL CROSSWALKS AND
ADA RAMPS ARE COMPLETE.

SPECIAL NOTES
1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:
   PROJECT CONTACTS:

   MR. JEFFREY WENTZ, ASSISTANT DISTRICT ENGINEER - TRAFFIC
   PHONE: (301) 513-7358
   MR. DUANE BERNDARD, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
   PHONE: (301) 513-7336
   MR. VERNON STINNETT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
   PHONE: (301) 513-7304
   MR. AUGIE REBISH, UTILITY ENGINEER
   PHONE: (301) 513-7350
   MR. ROBERT SNYDER, SR. CHIEF TRAFFIC OPERATIONS DIVISION
   PHONE: (410) 787-7630

   MR. KAMAL HAMUD
   MONTGOMERY COUNTY
   240-777-8761

   MR. STEVE CUSTER
   PEPCO CUSTOMER DESIGN
   201 W. GUIDE DR.
   ROCKVILLE, MD 20850
   PHONE: (301) 548-4333

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING STANDARD PLATES FOR
   TRAFFIC CONTROL: 104.00 - 30, 104.12 - 01, 104.13 - 01, 104.31 - 01, 104.32 - 01, 104.81- 02

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.
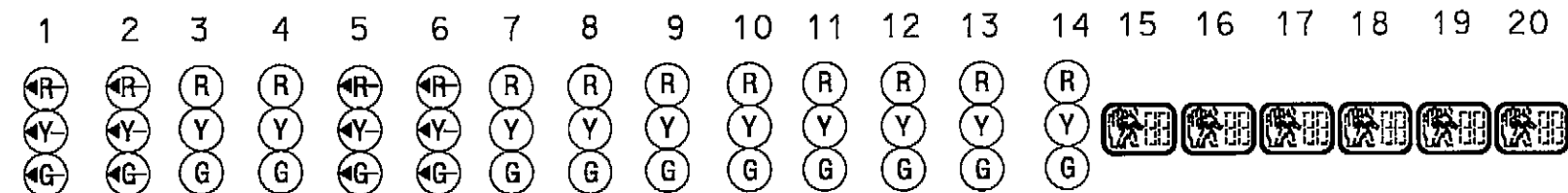
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
NONE			

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
120500	MAINTENANCE OF TRAFFIC	LS	1
114035	12 INCH WHITE NONTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING PAINT	LF	500
114045	24 INCH WHITE NONTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING PAINT	LF	150
800000	RELOCATE EXISTING SIGN ON SIGNAL STRUCTURE	EA	1
800000	ADJUST VIDEO DETECTION CAMERA	EA	1
860265	RELOCATE EXISTING SIGNAL HEAD	EA	1

WIRING DIAGRAM

SAME AS PREVIOUS STAGE

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PHASE 1 & 5	G	G	R	R	G	G	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 AND 6, OR 2 AND 5, OR 2 AND 6																			
PHASE 1 & 6	G	G	G	G	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 1 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 & 5	R	R	R	R	G	G	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 & 5 CHANGE	R	R	R	R	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 & 6	R	R	G	G	R	R	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW
PED CLEARANCE	R	R	G	G	R	R	G	G	R	R	R	R	R	R	FLDW	FLDW	FLDW	FLDW	DW	DW
2 & 6 CHANGE	R	R	Y	Y	R	R	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW
4 & 8 CHANGE	R	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 ALT & 8	R	R	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	WK	WK
PED CLEARANCE	R	R	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	FLDW	FLDW
4 ALT & 8 CHANGE	R	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FR	FR	FY	FY	FR	FR	FY	FY	FR	FR	FR	FR	FR	FR	DARK	DARK	DARK	DARK	DARK	DARK

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 355 AT HUBBARD DRIVE
PHASE 2, STAGE 6

GENERAL INFORMATION SHEET

SCALE	NONE	DATE	10/2008	CONTRACT NO.	M08305171
DESIGNED BY	AMH		COUNTY	MONTGOMERY	
DRAWN BY	AF		LOGMILE	15035506.86	
CHECKED BY	JFL		TIMS NO.	G248	
FAP NO.	AC-STP-HP-1334(001)E		TOD NO.		

TS NO. 2690B	DRAWING SP - 4 OF 41	SHEET NO. 8 OF 84